

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/003237

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K35/76 A61K35/74 A61K31/43 A61K31/424 A61P31/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, MEDLINE, EMBASE, BIOSIS, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	WO 2004/062677 A (SHARP RICHARD ; HART ANTHONY (GB); HUGHES GAVIN (GB); HEALTH PROT AGEN) 29 July 2004 (2004-07-29) page 15 - page 19; claims 1-22; example 2	1-6, 8, 26
X	WO 02/07742 A (MERRIL CARL R ; SCHOLL DEAL (US); US HEALTH (US); DASSLER KG ADI (US)) 31 January 2002 (2002-01-31) page 20, line 30 - page 30, line 16 ----- -/-	1-28, 32-34

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

27 October 2004

Date of mailing of the international search report

08/11/2004

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CARLTON R M: "PHAGE THERAPY: PAST HISTORY AND FUTURE PROSPECTS" ARCHIVUM IMMUNOLOGIAE ET THERAPIAE EXPERIMENTALIS, POLISH ACADEMY OF SCIENCES, WROCLAW, PL, vol. 47, no. 5, 1999, pages 267-274, XP009035994 ISSN: 0004-069X page 267 - page 273	1-28, 32-34
X	SOOTHILL J S: "BACTERIOPHAGE PREVENTS DESTRUCTION OF SKIN GRAFTS BY PSEUDOMONAS AERUGINOSA" BURNS, BUTTERWORTH HEINEMANN, GB, vol. 20, no. 3, 1994, pages 209-211, XP009009002 ISSN: 0305-4179 page 209 - page 211, column 1	1-28, 32-34
X	HANLON G W ET AL: "Reduction in exopolysaccharide viscosity as an aid to bacteriophage penetration through Pseudomonas aeruginosa biofilms" APPLIED AND ENVIRONMENTAL MICROBIOLOGY, WASHINGTON, DC, US, vol. 67, no. 6, June 2001 (2001-06), pages 2746-2753, XP002281200 ISSN: 0099-2240 page 2751 - page 2752	1-28, 32-34
X	DATABASE WPI Section Ch, Week 199003 Derwent Publications Ltd., London, GB; Class B04, AN 1990-021061 XP002302754 & SU 1 472 500 A (TBILISI VACCINE INS) 15 April 1989 (1989-04-15) abstract	32-34
X	TAIT K ET AL: "THE EFFICACY OF BACTERIOPHAGE AS A METHOD OF BIOFILM ERADICATION" BIOFOULING (CHUR), HARWOOD ACADEMIC PUBLISHERS, CHUR, CH, vol. 18, no. 4, December 2002 (2002-12), pages 305-311, XP009030573 ISSN: 0892-7014 page 307, column 2 - page 309, column 2	29-31

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International application No.  
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## Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: —  
because they relate to subject matter not required to be searched by this Authority, namely:  
Although claims 26–28 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Although claims 26-28 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-28, 32-24 (in part)

Bacteriophage composition and its use together with antibiotics for therapeutic or prophylactic treatment of a bacterial infection as well as detection or identification of a bacterial strain by bacteriophages  
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2. claims: 29-31, 32-24 (in part)

Bacteriophages and their use in a non-therapeutic method of removing, reducing or preventing bacterial contamination as well as detection or identification of a bacterial strain by bacteriophages  
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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 2004062677	A	29-07-2004	WO 2004062677 A1	29-07-2004
WO 0207742	A	31-01-2002	AU 7800301 A	05-02-2002
			CA 2417188 A1	31-01-2002
			EP 1305038 A2	02-05-2003
			WO 0207742 A2	31-01-2002
			US 2003216338 A1	20-11-2003
SU 1472500	A	15-04-1989	SU 1472500 A1	15-04-1989